

# Network System Implementation for the Marconi Law Firm, LLC.

Orlando, Florida

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## Project Scope

Project Purpose
The purpose of this project is to design and implement a secure, reliable, and scalable small office network for Marconi Law's new office space. This will allow the firm to centralize all operations into a single location instead of their current spread-out multi-office design. By doing this it will improve communication, collaboration, and day-to-day efficiency. This will better position the firm to operate more efficiently and support future business growth.
Objectives
The primary objective of this project is to provide a fully functional and dependable network that will support the firm's goals of continued growth and profitability. The network will help centralize computing, communication, and data resources to ensure the firm can access shared company resources such as printer, network storage and file sharing, and VoIP services. The project also aims to implement secure and scalable solution that will minimize downtime during its rollout and allow for expansion in the future.
Deliverables
The project deliverables include both hardware and software components that are needed for a fully functional office network. Hardware deliverables are a router, managed switch, server with RAID configuration, data backup solution, ten laptops, two wireless access points, ten VoIP phones, a network printer, a conference phone, and a smart TV for the conference room. Software deliverables are a Windows Server operating system, Windows client operating systems for all users, Active Directory services for each user, file and print services, and backup and recovery software. The project also calls for full documentation, this is to include a network topology diagram, IP addressing information, implementation details, and weekly status reports.
Exclusions
This project does not include the internet service provider connectivity or the ongoing monthly internet service costs. It also doesn't include any specialized legal applications, cybersecurity monitoring services, or user training except the basic system orientation documentation. Physical office construction, furniture installation, any peripherals, and electrical work not related to network equipment are outside the scope of this project. Support beyond the 12-month maintenance contract is also not included and will terminate at the end of the 12-month period unless the contract is renewed.

<b>Constraints</b>
This project has several constraints that may affect its success. The biggest constraint is the timeline associated with the firm's planned office move in four weeks, which will require the network to be fully operational before they can move in. Budget limits must also be considered as we have a tight budget and don't want to exceed that limit. Physical space constraints within the new office limit our options of where equipment can be placed, and deployment must be performed in a way that minimizes business impact. Additionally, the solution must align with a Windows-based server and client environment.
<b>Success Factors</b>
The success of this project will be measured by five key factors. First, the network must be operational by the scheduled move-in date in four weeks with no major issues. Secondly, all employees should be able to access network resources such as file storage, printing, and wireless connectivity. The third factor is the server, RAID, and backup systems must function to protect sensitive client data. The fourth factor is network performance must support operations without noticeable latency or downtime, and the infrastructure must be capable of supporting future growth with minimal changes. The final factor is that complete and accurate documentation delivered on schedule will also be an indicator of project success.
<b>Timeframe / Costs</b>
The project is expected to be completed within a four-week timeframe. The first week will focus on planning and design, followed by procurement and staging of equipment during the second week. Installation and configuration will occur during weeks two and three, with testing and final handover completed in the final week. The estimated cost of the project is \$53,314.55, which includes hardware, software licensing, and labor costs, but excludes internet service fees and any other optional services, such as training, or installation of any additional software.

## **Network Benefits**

**Operational Efficiency** – Marconi Law can improve operations by centralizing all employees, systems, and resources into a single, networked office environment, reducing delays caused by operating across multiple locations and increase collaboration between staff with meetings and the ability to speak face to face.

**Increased Productivity** – The firm can improve employee productivity by providing reliable access to shared files, applications, and communication tools, allowing attorneys and staff to focus more time on client work rather than technical issues.

**Cost Optimization** – Marconi Law can reduce long-term operational costs by consolidating IT infrastructure, minimizing additional equipment, and simplifying system management and maintenance.

**Enhanced Client Service** – Improved communication tools such as VoIP phones and conference room technology will allow the firm to respond to clients quickly and professionally, strengthening client relationships and satisfaction.

**Business Scalability** – The new network infrastructure will support future growth by enabling the firm to add new employees, devices, or services without major redesign or disruption to operations.

## IP Network Design Table

Subnet IP Information	
Netmask of Subnet	255.255.255.0
First IP in Subnet	192.168.30.0
Last IP in Subnet	192.168.30.255
Total Host	256

Reserved IP Addresses	
Network ID	192.168.30.0
Broadcast Address	192.168.30.255

Group IP Ranges	
Computers	192.168.30.100-192.168.30.109
VoIP Phones	192.168.30.30-192.168.30.39
Network Backbone	192.168.30.1-192.168.30.10
WAPs	192.168.30.11-192.168.30.20
Other	192.168.30.60-192.168.30.62

<b>Node</b>	<b>Hardware Name</b>	<b>Static IP address</b>
1	Marconi Computer	192.168.30.100
2	Jones Computer	192.168.30.101
3	Stark Computer	192.168.30.102
4	Drums Computer	192.168.30.103
5	Shoemaker Computer	192.168.30.104
6	Brooks Computer	192.168.30.105
7	Long Computer	192.168.30.106
8	Adams Computer	192.168.30.107
9	Smith Computer	192.168.30.108
10	Schultz Computer	192.168.30.109
11	Marconi VoIP Phone	192.168.30.30
12	Jones VoIP Phone	192.168.30.31
13	Stark VoIP Phone	192.168.30.32
14	Drums VoIP Phone	192.168.30.33
15	Shoemaker VoIP Phone	192.168.30.34
16	Brooks VoIP Phone	192.168.30.35
17	Long VoIP Phone	192.168.30.36
18	Adams VoIP Phone	192.168.30.37
19	Smith VoIP Phone	192.168.30.38
20	Schultz VoIP Phone	192.168.30.39
21	Router	192.168.30.1
22	Server	192.168.30.2
23	Switch	192.168.30.3
24	WAP 1	192.168.30.11
25	WAP 2	192.168.30.12
26	Printer	192.168.30.60
27	Smart TV	192.168.30.61
28	Conference Phone	192.168.30.62

## Network Configuration Process

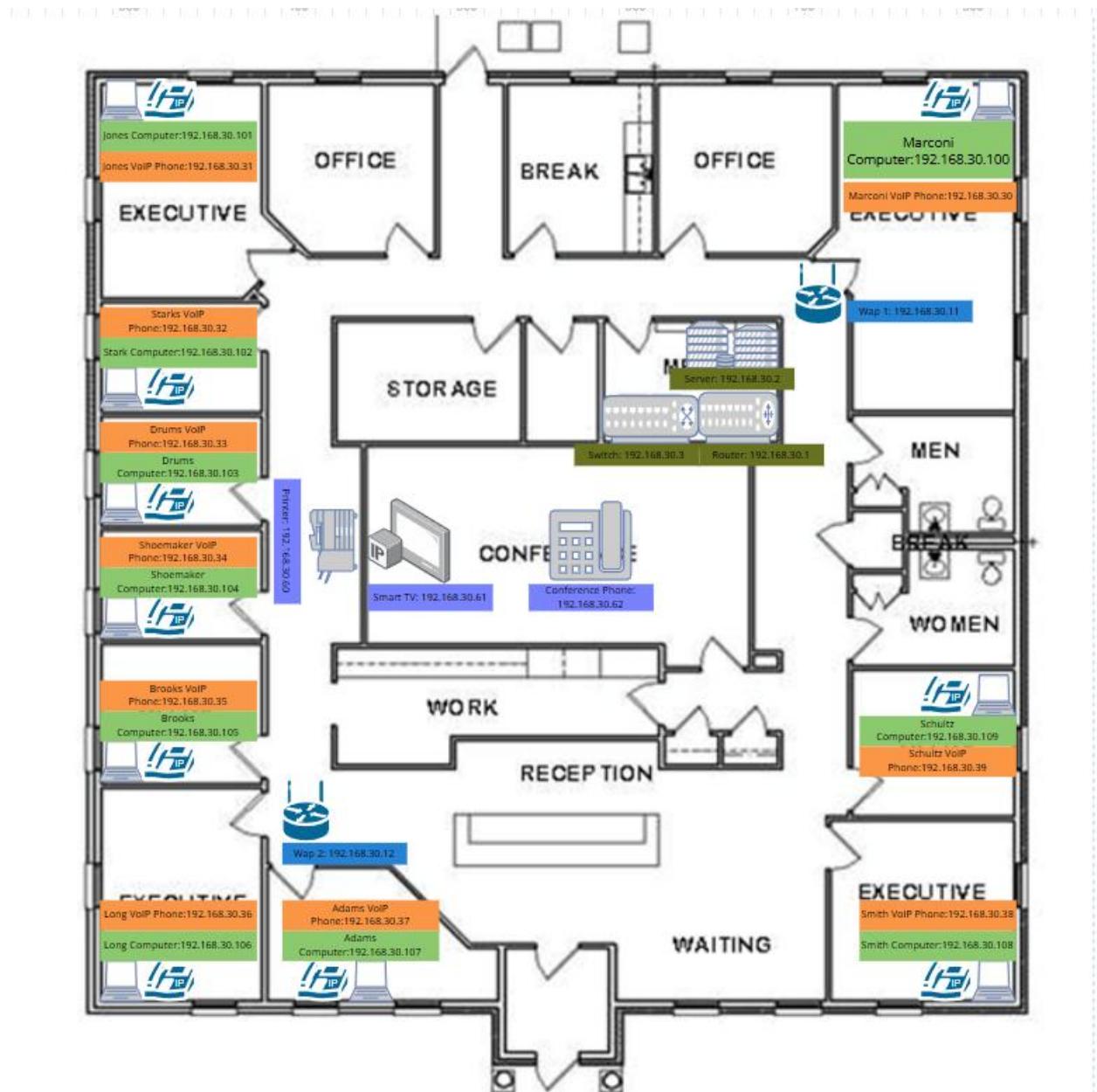
User Accounts	Setup and Configuration Process
Dan Marconi Phil Jones Karen Stark Evelyn Schultz Bill Shoemaker Mike Drums Lisa Brooks Terry Long Samuel Adams Brian Smith	<p>Step 1: Launch <b>Windows Server 2025 VM</b></p> <p>Step 2: Log into server using your <b>Administrator</b> account.</p> <p>Step 3: On the Server Manager Dashboard, Click Tools and Select Active Directory Users and Computers.</p> <p>Step 4: Expand the “fsitbs.local” drop down, then right click on “Users”, Then “New”, Finally “User”.</p> <p>Step 5: Enter the details for the new user, including first and last name, User login name: the format we are using is “first initial.last name” with a period between them. Click “Next”.</p> <p>Step 6: Enter a Password for the user. Deselect must change password option. Click “Next”.</p> <p>Step 7: Click “Finish”.</p> <p>Step 8: Click on “Users” in the dropdown area of “fsitbs.local” and Ensure your new user is in the list of users.</p>
_Attorneys _Accounting _Administrative	<p>Step 1: Launch <b>Windows Server 2025 VM</b></p> <p>Step 2: Log into server using your <b>Administrator</b> account.</p> <p>Step 3: On the Server Manager Dashboard, Click Tools and Select Active Directory Users and Computers</p> <p>Step 4: In the Active Directory window, Right click on “fsitbs.local”, Select “New”, then select “Organizational Unit”.</p> <p>Step 5: In the new Object window, Enter the name “Groups” And click “OK”.</p> <p>Step 6: Right click on the new “Groups” Folder, Click “New”, Then “Group”.</p> <p>Step 7: Enter the Name for the new group, we are using _ Groupname format here. The group scope should be “Global” and group type should be “Security”. Click “OK”.</p> <p>Step 8: Click on the groups folder and ensure your new group is in the list of groups.</p> <p>Step 9: To add users to the newly created Group select the group you want to add users to, Right click it and select “Properties”.</p> <p>Step 10: Click The “Members” tab in the properties window and Click “Add”. In the Box, Enter the group name you are adding, you can add more than one at once by separating them with a ; . Click the “Check Names” button and they Should appear underlined if entered correctly. If they are all underlined, Click “Ok”.</p> <p>Step 11: Click “Apply”. Repeat this process for all groups you want to add users to.</p>

Folders and Permissions	Setup and Configuration Process
Attorneys Accounting Administrative	<p><u>Create Folders</u></p> <p>Step 1: Launch <b>File Manager</b></p> <p>Step 2: Click “Local Disk (C:)” on the left-hand side of File Manager.</p> <p>Step 3: Click “+ New” in the upper left-hand side of File Manager and Click “Folder”. Name your Folder.</p> <p>Step 4: Double click your new folder to enter it. And repeat Step 3 inside this folder to create any folders you wish to create inside this folder.</p> <p><u>Set Sharing Permissions</u></p> <p>Step 1: Launch <b>Windows Server 2025 VM</b></p> <p>Step 2: Log into server using <b>Administrator</b> account.</p> <p>Step 3: Launch <b>File Manager</b></p> <p>Step 4: Click “Local Disk (C:)” on the left-hand side of File Manager. And select the folder you wish to share.</p> <p>Step 5: Right click the folder and select “Properties”.</p> <p>Step 6: Navigate to “Sharing” Tab. In the “Network file and Folder Sharing” Box, Click The “Share” button.</p> <p>Step 7: In the box enter the name of the group you wish to add in the input box and click “Add”. Ensure the groups appear in the list are correct and click “Share”.</p> <p>Step 8: The system will show the new share. Click “Done”.</p>

## User Logins and Passwords

<b>Employee Name</b>	<b>Job Title</b>	<b>Login ID</b>	<b>Password</b>
Dan Marconi	President/Attorney	D.Marconi	Fullsail1!
Phil Jones	Attorney	P.Jones	Fullsail1!
Karen Stark	Attorney	K.Stark	Fullsail1!
Evelyn Schultz	Office Coordinator	E.Schultz	Fullsail1!
Bill Shoemaker	Attorney	B.Shoemaker	Fullsail1!
Mike Drums	Attorney	M.Drums	Fullsail1!
Lisa Brooks	Attorney	L.Brooks	Fullsail1!
Terry Long	Attorney	T.Long	Fullsail1!
Samuel Adams	Attorney	S.Adams	Fullsail1!
Brian Smith	Accountant	B.Smith	Fullsail1!

## Network Topology Diagram with Employee Names and Node Numbers



## Capital and Operating Costs

Hardware and Software	Per Unit Cost	Quantity	Total Cost
Laptops	1,246.99	10	12469.90
Router	1778.99	1	1778.99
Server	3191.00 + 334.99 for monitor	1	3525.99
Switch	1798.99	1	1798.99
Server Hard Drives (Consider a RAID 5)	539.99	1	539.99
Local/Cloud Data Backup Solution	2394.99	1	2349.99
VoIP Phones	249.99	10	2499.90
Conference Phone	1,321.99	1	1321.99
WAPs	1192.99	2	2385.98
Printer	3247.99	1	3247.99
Smart TV	599.99	1	599.99
Windows Server 2025	52.99	15	794.85
Windows 11	Included	Included	Included
Labor	\$125	40 hrs	\$5,000
Annual ongoing network maintenance and support	\$15,000	1 yr	\$15,000
<b>GRAND TOTAL</b>	-	-	<b>53,314.55</b>

## Hardware and Software Specification Tables

### Laptops

Brand/Manufacturer	<b>HP</b>
Product Line	<b>ProBook 4 G1i 14"</b> <b>Touchscreen Notebook</b>
Model	<b>WUXGA</b>
Processor/Clock Speed	Intel Core 7 Ultra 5.2Ghz
Memory-Speed	16GB DDR5 5600
Hard Drive/Capacity	512 GB M.2 SSD
Embedded Security	HP Tamper Lock
Display/Size/Resolution	IPS/14 in/1920 x 1200
Networking	Gigabit ethernet and Wi-fi 6E
Operating System	Windows 11 Pro
Cache	12MB
Page URL	<a href="https://www.cdw.com/product/hp-probook-4-g1i-14-touchscreen-notebook-wuxga-60-hz-intel-core-ultr/8411607?pfm=srh">https://www.cdw.com/product/hp-probook-4-g1i-14-touchscreen-notebook-wuxga-60-hz-intel-core-ultr/8411607?pfm=srh</a>

## Server

Brand/Manufacturer	<b>HPE</b>
Product Line	HPE ProLiant
Model	DL20 Gen1
Hard Drive/Capacity	2 Installed 960GB Serial ATA-600
Processor	Intel Xeon 6325P 3.5Ghz
Memory/Speed	32GB DDR5 SDRAM
Storage Controller	Intel VROC SATA Software RAID
Monitor	<a href="https://www.cdw.com/product/racksolutions-17-flush-rack-mount-lcd-monitor/1631965?pfm=srh">https://www.cdw.com/product/racksolutions-17-flush-rack-mount-lcd-monitor/1631965?pfm=srh</a> Add +\$34.99 to overall price.
Ethernet	4 x Gigabit Ethernet
Operating System	Windows Server 2025
Networking	<b>Data Link Protocols:</b> Ethernet, Fast Ethernet, Gigabit Ethernet <b>Ethernet Controllers:</b> Broadcom BCM5719 Features: ACPI support, PXE support, Wake On LAN (WOL) <b>Remote Management:</b> IPMI 2.0, SNMP 3
Expansion Bays	1 (total) / 1 (free) x external, 4 (total) / 2 (free) x hot-swap 2.5" SFF
Expansion Slots	1 (total) / 1 (free) x Open Compute Project mezzanine (OCP) 3.0, 1 (total) / 1 (free) x PCIe 5.0 x16 - half-length, full-height (x16 mode)
Page URL	<a href="https://www.cdw.com/product/hpe-proliant-dl20-gen11-rack-mountable-xeon-6325p-3.5-ghz-32-gb-ssd-2/8412219?pfm=srh">https://www.cdw.com/product/hpe-proliant-dl20-gen11-rack-mountable-xeon-6325p-3.5-ghz-32-gb-ssd-2/8412219?pfm=srh</a>

## Server Hard Drives

Brand/Manufacturer	Axiom
Product Line	Axiom
Storage Type	HHD 7200 RPM
Hard Drive Type	Hot-swap hard drive
Form Factor	2.5" SFF
Interface	Serial ATA-600
Capacity	1TB
Data Transfer Rate (DTR)	600 MBps
Page URL	<a href="https://www.cdw.com/product/axiom-hard-drive-1-tb-sata-6gb-s/3511462?pfm=srh">https://www.cdw.com/product/axiom-hard-drive-1-tb-sata-6gb-s/3511462?pfm=srh</a>

**Router**

Brand/Manufacturer	Cisco
Product Line	Cisco Catalyst
Model	8200-1N-4T
RAM	8 GB
Flash Memory	8 GB
WAN Ports Qty	WAN: 4 x Ethernet 1000
Integrated Switch	No dedicated integrated LAN switch module
Data Link Protocol	Gigabit Ethernet
Network/Transfer Protocol	BGP, Bidirectional Forwarding Detection (BFD), DVMRP, EIGRP, GRE, HSRP, IGMPv3, IS-IS, MPLS, OSPF, OSPFv3, Policy-based routing (PBR), RIP, RIP-2, VRRP
Page URL	<a href="https://www.cdw.com/product/cisco-catalyst-8200-1n-4t-router-rack-mountable/7364597?pfm=srh">https://www.cdw.com/product/cisco-catalyst-8200-1n-4t-router-rack-mountable/7364597?pfm=srh</a>

**Switch**

Brand/Manufacturer	Cisco
Product Line	Cisco Catalyst
Model	1300-48FP-4G
RAM	1GB
Flash Memory	512 MB
Performance	Forwarding rate (64-byte packets): 77.38 Mpps, Switching capacity: 104 Gbps
Capacity	ACL rules: 1024, IGMP multicast groups: 2000, IPv4 interfaces: 128, IPv4 routes (static): up to 990, Link aggregation groups: 8, Link aggregation ports: 8, MSTP instances: 8, Packet buffer size: 3 MB, Priority queues: 8, RPVST+ instances: 126, VLAN IDs: 4093
Ports Qty*	48, I also allotted for The Poe+ budget of the 10 phones and conference phone as this has a POE+ budget of 740W which should be more and enough to cover the VoIP phones needs.
Page URL	<a href="https://www.cdw.com/product/cisco-catalyst-1300-48fp-4g-switch-48-ports-managed-rack-mountable/8056911?pfm=srh">https://www.cdw.com/product/cisco-catalyst-1300-48fp-4g-switch-48-ports-managed-rack-mountable/8056911?pfm=srh</a>

**Local/Cloud Data Backup Solution**

Brand/Manufacturer	Buffalo
Capacity	32 TB
Speed	600 MBps
Encryption/Security	Trend Micro NAS Security
Compliance	IEEE 802.3, IEEE 802.3ab, IEEE 802.3an, IEEE 802.3bz, IEEE 802.3u
On Premises/Offsite	On premises
Backup Strategy	Incremental backups with periodic full backups using the included Software of the NAS.
Page URL	<a href="https://www.cdw.com/product/buffalo-terastation-5020-series-ts5420rn3204-nas-server-32-tb-taa-com/7292552?pfm=srh#TS">https://www.cdw.com/product/buffalo-terastation-5020-series-ts5420rn3204-nas-server-32-tb-taa-com/7292552?pfm=srh#TS</a>

**Printer**

Brand/Manufacturer	Lexmark
Product Line	Lexmark
Model	CX635adwe
Duty Capacity	125000 pages
Printing Output Type	Color
Processor	Quad Core, 1.2 GHz
RAM	2GB
Networking	1 x Gigabit LAN, 1 x USB 2.0 - 4 pin USB Type B, 2 x USB 2.0 host - 4 pin USB Type A
Page URL	<a href="https://www.cdw.com/product/lexmark-cx635adwe-low-volt-multifunction-color-printer-taa-compliant/7812417?pfm=srh">https://www.cdw.com/product/lexmark-cx635adwe-low-volt-multifunction-color-printer-taa-compliant/7812417?pfm=srh</a>

**Wireless Access Points (WAPs)**

Brand/Manufacturer	Cisco
Product Line	Cisco Catalyst
Model	9164I
Antenna	Omni-directional
Capacity	7.49 GBps, 10-30 users
Networking	802.11a/b/g/n/ac/ax (Wi-Fi 6E), Bluetooth 5.1 LE
Interface	1 x 100/1/2.5GBase-T (UPOE) - RJ-45, 1 x management - RJ-45, 1 x USB 2.0
Power	UPOE
Page URL	<a href="https://www.cdw.com/product/cisco-catalyst-9164i-wireless-access-point-bluetooth-wi-fi-6e-cloud/7787786?pfm=srh#TS">https://www.cdw.com/product/cisco-catalyst-9164i-wireless-access-point-bluetooth-wi-fi-6e-cloud/7787786?pfm=srh#TS</a>

**Smart TV**

Brand/Manufacturer	Samsung
Model	UN75U8000FF
Series	U8000F Series
Video Interface	HDMI
HDMI Ports Qty	3
Diagonal Size	75"
Resolution	3840 x 2160
Display Format	4K UHD (2160p)
Viewing Angle	178° horizontal / 178° vertical (H/V)
Digital Audio Format	Dolby
USB Ports Qty	1
Wi-Fi Protocol	802.11ac
Page URL	<a href="https://www.cdw.com/product/samsung-un75u8000ff-u8000f-series-75-class-74.5-viewable-led-backlit/8358425">https://www.cdw.com/product/samsung-un75u8000ff-u8000f-series-75-class-74.5-viewable-led-backlit/8358425</a>

## **Conference Phone**

Brand/Manufacturer	Cisco
Product Line	Cisco IP Conference Phone
Model	<b>8832</b>
Type	Conference VoIP phone
Call Services	Dialing and predialing (number entry before sending), redial, call waiting, call timer, call history (received, placed, missed calls), caller ID, call forward, call park, call transfer, barge (call intrusion), conference calling, hold, music on hold (MoH), mute, shared line support, speed dial (favorites), adjustable ringtones, configurable volume levels, corporate directory access, voicemail (message access and management), time and date display.
Speakerphone	Yes
Features	360-degree room coverage; base unit alone covers up to a 10-foot microphone pickup range
Phone connections	1 x Ethernet 10Base-T/100Base-TX/1000Base-T
Page URL	<a href="https://www.cdw.com/product/cisco-ip-conference-phone-8832-conference-voip-phone/4876330?pfm=srh">https://www.cdw.com/product/cisco-ip-conference-phone-8832-conference-voip-phone/4876330?pfm=srh</a>

**Server Software**

Brand/Manufacturer	Windows
Product Line	<b>Windows Server 2025</b>
Version	<b>Non-Specific</b>
Licensing	1 user CAL so we will get 15 for growth.
Page URL	<a href="https://www.cdw.com/product/microsoft-windows-server-2025-license/3446600?pfm=srh">https://www.cdw.com/product/microsoft-windows-server-2025-license/3446600?pfm=srh</a>

**Client Computer Software**

Brand/Manufacturer	Windows
Product Line	<b>Windows 11</b>
Version	<b>Pro</b>
Licensing	Included With the laptops
Page URL	<a href="https://www.cdw.com/product/hp-probook-4-g1i-14-touchscreen-notebook-wuxga-60-hz-intel-core-ultr/8411607?pfm=srh">https://www.cdw.com/product/hp-probook-4-g1i-14-touchscreen-notebook-wuxga-60-hz-intel-core-ultr/8411607?pfm=srh</a>

## VoIP Phones

Brand/Manufacturer	Cisco
Product Line	Cisco Desk Phone
Model	9851
Type	VoIP phone
Conference Call Capability	Yes
Call Services	Call Forwarding, Call Hold, Call park/pickup, Call Transfer, Call Waiting, Caller ID, Voicemail
Speakerphone	Yes
Additional Functions	Call recording, Conference mode, Do not disturb, Kensington security slot, Music on hold, Mute, One button to join (OBTJ), QR code access, Sleep mode
Features	Busy lamp field (BLF), Calendar indicator, Headset, Line status indicator, Mute indicator, Select indicator, Speakerphone indicator, Status
VoIP Protocols	RTCP, RTP, SDP, SIP, SRTP
IP Address Assignment	DHCP, Static
Network Protocols	Cisco Discovery Protocol (CDP), DHCP, DNS, GARP, HTTPS, IPv4, IPv6, Link Layer Discovery Protocol - Media Endpoint Discovery (LLDP-MED), Link Layer Discovery Protocol (LLDP), RTCP, RTP, TFTP, VLAN
PoE Support	Class 3 PoE
Voice Features	Acoustic echo cancellation (AEC), Acoustic shock protection, Adaptive jitter buffer (AJB), Automatic gain control (AGC), Comfort noise generation (CNG), Dual tone multi-frequency (DTMF), Forward error correction (FEC), HD audio, Packet loss concealment (PLC), Silence suppression, Ultrasonic support, Voice activity detection (VAD)
Page URL	<a href="https://www.cdw.com/product/cisco-desk-phone-9851-voip-phone-with-trusted-platform-module-tpm-2.0/7976876?pfm=srh">https://www.cdw.com/product/cisco-desk-phone-9851-voip-phone-with-trusted-platform-module-tpm-2.0/7976876?pfm=srh</a>

## Timesheets

Milestone	Activity Description (be descriptive)	Start Time	End Time	Total Activity Time	Activity Date
Milestone 1	Review the business case for the law Firm.	3:15pm	3:45pm	30 mins	1/6/2026
Milestone 1	Design the Layout for the network in the office space provided with all the devices on visual paradigm.	3:45pm	4:00pm	15 mins	1/6/2026
Milestone 1	Find all the component prices and add them to the spreadsheet and ensure compatibility.	4:00pm	8:30pm	270 mins	1/6/2026
Milestone 2	From a detailed and full detail project scope for the customer to fully understand what is included in the project.	4:00pm	6:00pm	120 mins	1/12/2026
Milestone 2	Assign static network Ip addresses to all nodes on the network. Ensuring no overlapping Ip addresses and assigning to maximize efficiency.	6:00pm	7:30pm	90 mins	1/12/2026
Milestone 2	Work on the key benefits of the network for the law firm to explain the benefits to all stakeholders.	7:00am	8:30am	90 mins	1/13/2026
Milestone 2	Modify the Layout to include labels for asset name and Ip addresses to all devices on Visual Paradigm.	7:30pm	9:15pm	105 mins	1/14/2026
Milestone 2	Setup AD Server and Join Domain on workstation.	9:15pm	10:45pm	90 mins	1/14/2026
Milestone 3	Creating all user accounts, groups, files and file access permissions as well as details documentation on how to do these tasks in the future.	10:00am	4:00pm	360Mins	1/19/2026

Milestone 3	Create video documentation showing the functionality of the environment.	8:00pm	10:00pm	120 Mins	1/21/2026
Milestone 3	Reviewed all documentation that we are sending over this week for accuracy and finalized time sheets and status reports for the project this week.	10:00pm	10:30pm	30 mins	1/21/2026
Milestone 4	Formatting final draft of Project proposal.	6:00am	7:30am	90 mins	1/30/2026
Milestone 4	Prepare Presentation for Dan Marconi using PowerPoint slides.	7:30am	9:00am	90 mins	1/30/2026
Milestone 4	Record Final Presentation for Dan Marconi Explaining all the benefits of the Project to his business.	9:00am	10:00am	60 Mins	1/30/2026
<b>TOTAL HOURS</b>				<b>26 Hours</b>	

## Status Reports

### Accomplished this week

Milestone 1: Completed The review and of the business case for the Marconi law firm's new office requirement and desires. They are looking to take advantage of new technology to make things more efficient and effective while having room to grow in the future.
Milestone 1: Created an initial physical layout floor plan identifying all devices to be placed throughout the office, server room, and wireless access point locations.
Milestone 1: Researched all the components of the network as well as the printer, VoIP phones, laptops, server, and NAS storage for on-site back-up solution. All specs gathered for stakeholder's approval. Also priced out the conference room equipment including Smart TV and Conference VoIP phone.
Milestone 2: Created an in-depth scope and benefits for us to be able to present to the stakeholders to highlight the importance of the project and what they can expect and what is not included in the scope of the project. Setting clear guidelines and expectations for the project.
Milestone 2: Set up the Active domain server on windows server 2025 and joined a workstation to it. This sets up the ability to show how the network will work to the client.
Milestone 2: Adding missing elements to the office layout including all the node Ip addresses this will be assigned during the course for this project.
Milestone 3: Created all users and added them to the appropriate user groups for domain access and file access.
Milestone 3: Created documentation on how to create Users, Groups, Folders and Assigning folder group permissions.
Milestone 3: Recorded Video version of the documentation explains how the file access what set up in the environment and demonstrating the access to those files.
Milestone 4: Worked on Formatting of this document to make it look cleaner and to adjust things so the filled the pages correctly and removed all prompt text from the document. Ensuring proper format and ease of reading for Dan Marconi.
Milestone 4: Worked on PowerPoint presentation for the final pitch for Dan Marconi ensuring all details were accurate and up to date with the latest project information and ensuring understanding from the key stakeholder.
Milestone 4: Recorded final presentation for Dan Marconi pitch ensuring clear communication of the project goals and benefits of the project that he can expect.

### ***Planned for next week***

Coming up for milestone 2: We'll set up Active Directory on the server, install the domain controller, and then connect a workstation to the domain so we can configure the network.
Coming up for milestone 2: We'll work out the appropriate subnets for all devices and assign static IP addresses to each device.
Coming up for milestone 2: We'll review the business case and come up with good reasons for Marconi to move forward with the network, including the benefits he'll see across the organization.
Coming up for milestone 2: We'll ensure proper logging of all project tasks and keep accurate time logs for time spent on the project.
Coming up for milestone 3: So, coming up next week we're going to be looking to set up our virtual environment which will be setting up user accounts groups and folders and setting permissions of the domain controller we will then be logging in to ensure that all the configurations are correct.
Coming up for milestone 3: We will be looking to set up documentation in a step-by-step fashion to be able to turn over for our completed project and this will include documenting the configuration process as well period
Coming up for milestone 3: We will also be creating a video to document the steps we took to set up the domain controller so that we can then turn this over to the stakeholders in the future so that if they have any questions about how the domain controller was set up, they have something to reference.
Coming up for milestone 4: We will be finalizing this document to be ready to present to the Stakeholders.
Coming up for milestone 4: We will prepare our final pitch preparations. Ensuring that everything is in order and we will practice out pitch.
Coming up for milestone 4: Ensure our documentation is finalized and error free. Make sure that the documentation is followable and can be understood by anyone.

***Comments for each milestone***

**Milestone 1:**

What problems did you run into? **None this week.**

How did you fix them? **N/A**

Is there anything that you did not complete that you now must push off into the next milestone? **No.**

Any other comments? **Picking a server is hard.**

**Milestone 2:**

What problems did you run into? **None this week!**

How did you fix them? **N/A**

Is there anything that you did not complete that you now must push off into the next milestone? **NO.**

Any other comments? **I really enjoyed the scope portion of this assignment.**

**Milestone 3:**

What problems did you run into? **None.**

How did you fix them? **N/A**

Is there anything that you did not complete that you now must push off into the next milestone? **No.**

Any other comments? **Playing with file management was interesting.**

**Milestone 4:**

What problems did you run into? **None**

How did you fix them? **N/A**

Is there anything that you did not complete that you now must push off into the next milestone? **No. Fully complete.**

Any other comments? **Thanks for the great portfolio piece. Looking forward to the next one!**